

# System Administrator

Demonstration of Duties

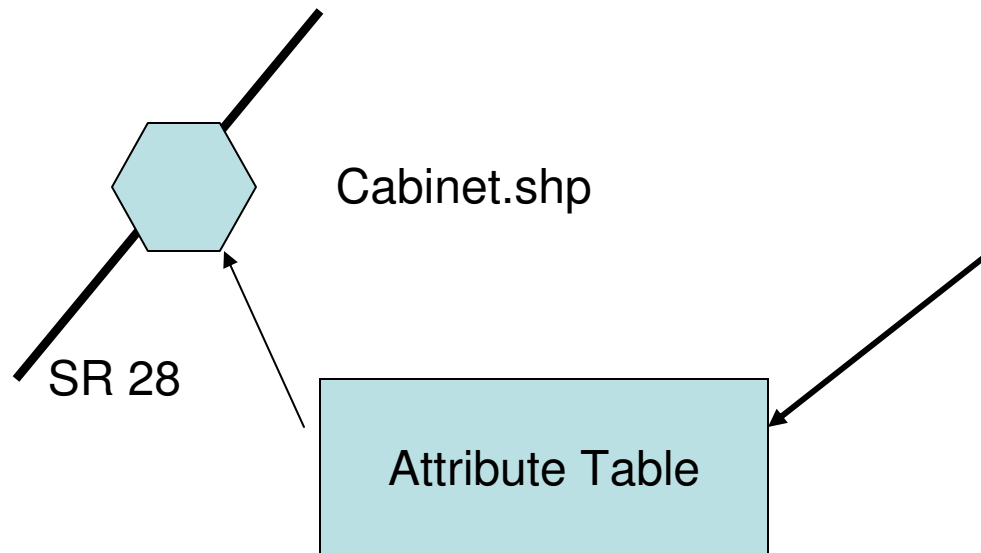
By Heather Spates

- Cleanse and validate all incoming data
  - Check for accurate data-
    - Are the required attributes filled in?
    - Did the data get uploaded to the HQ server from the regions( GPS locations and photos).
    - Are all event records associated with a present feature?

- Associate images taken in the field with collected features
  - .jpg image of a sign needs to be associated with the GPS point location

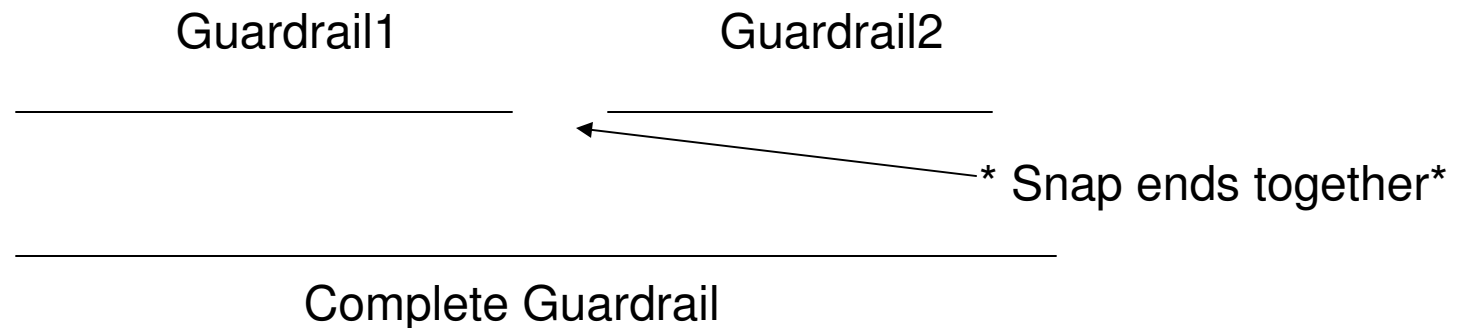
GPS position file

Photo file

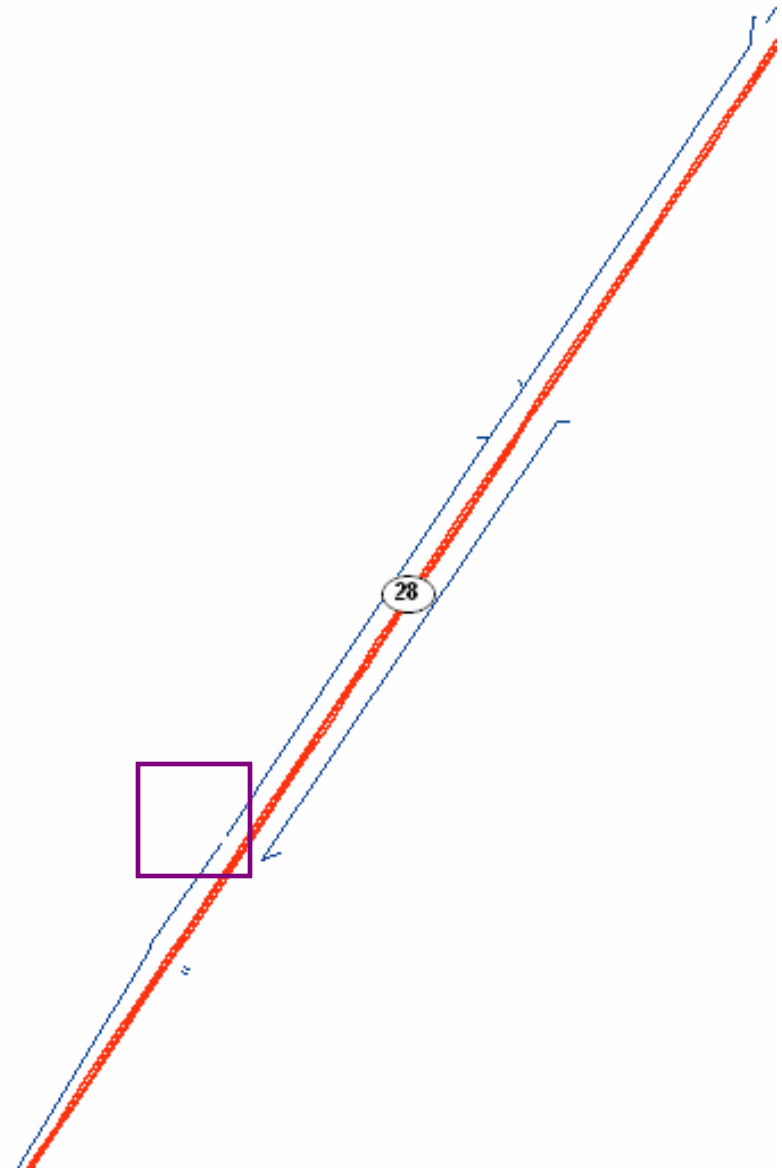


028\_mp118.27.jpg

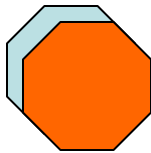
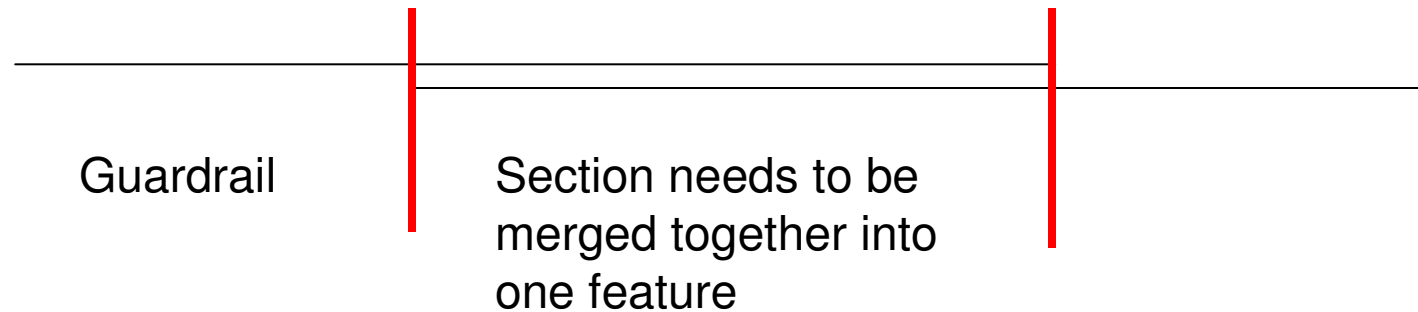
- Edit data to close gaps of daily features
  - Start and stop data collection on the same feature( i.e. guardrail, edge stripping)



- Edit data to close gaps of features



- Edit data to solve overlapping of daily features
  - An area where data has been double collected.



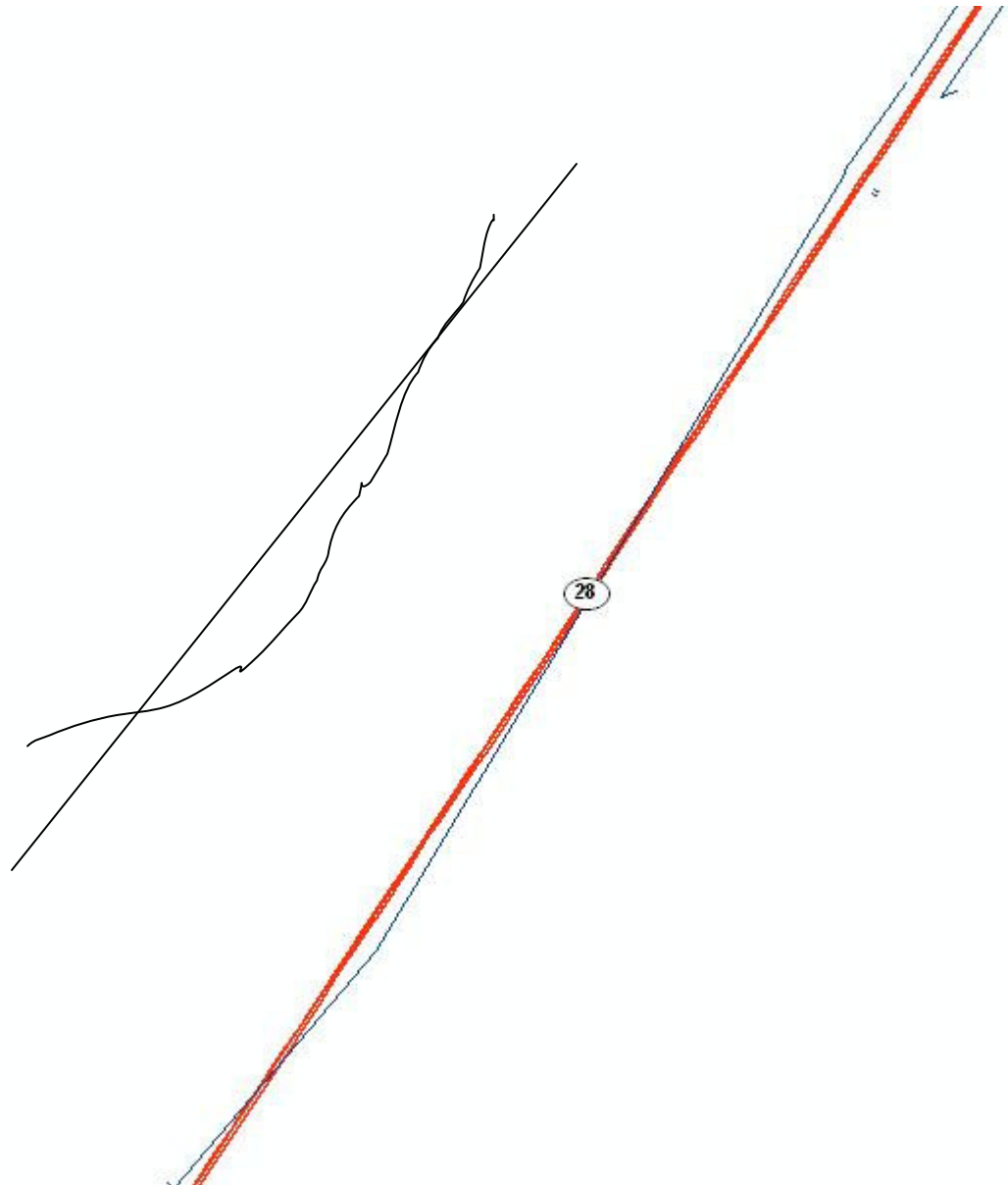
Two point features double collected

- Run the topology rules
  - Does a guardrail cross a highway?

- Run topology rules

Why would a fence cross a highway?

- Fence runs under the highway
- GPS wavering





- Run topology rules and resolve errors and exceptions

Items could be too close together, and be snapped to each other

- Resolve coincident route issues
  - Check for locations where there are two named routes along the same road and the collector selects the minor route.

## Check for downloading and data transfer errors

- Research error reports for data

- Missing data (height events for a guardrail are present, however, the guardrail line is not)
- errors created by network issues and missing data

- Perform quality assurance checks and document results
  - Document accuracy statistics of collected data by utilizing orthophotos or other GPS collected data
  - Create Test plots and representative samples to see how accurate data is across the state.